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was about 30" in length, and had two copper rings at its base. Most of $th_{50\times1}$ projectiles had fuses in the base but some were equipped with base and nose fuses. Its maximum range was 22 kilometers. Its traverse range was 120° and it could be elevated up to 75° . A trained crew could fire the weapon at a rate of six-rounds-per minute.

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production was considered excellent. It could have been much better if approximately every other charge was not wasted due to improper mixture.

Legend to Enclosed Sketch #2

- 1. Two-story brick administration building, approximately 30' high, 50' wide and 100' long.
- 2. Approximately 90' high, 600' wide, and 1500' long. It contained four large oil fired Martin furnaces and a smaller Seimens electric Martin furnace. The building was distinguished by four very tall chimney stacks. One Martin furnace was emptied daily into a 15' x 18' cupula.
- 3. Machine Building, approximately 30' high, 500' wide, and 600' long. Contained large lathes and boring mills.
- 4. Forming Mill, contained 10 oil-fired heating furnaces, one large Krupp hydraulic press and many smaller presses. This building produced the 122 mm gun barrel.
- 5. Boring Mills Building. The 48 mm gun barrels were produced here. Approximately the same size as building #3.
- 6. Boiler & Power House. Furnished steam and other power to the other buildings by overhead pipes and conduits.
 - 7. Machine Shop, slightly smaller than building #3.
 - 8. Machine Shop, about the size of building #4.

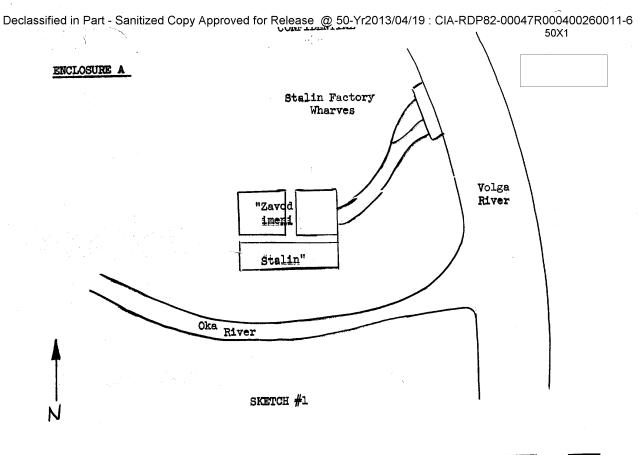
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ENCLOSURE A - Sketch #1 - Location of Gorki Metals Factory (Zavod imeni Stalin) on Oka River.

Sketch #2 - Location of buildings of the Gorki Metals Factory.

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(See Legend of Buildings on Page 2)

